



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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CAPE HENRY
Growing Area # 72
City of Virginia Beach
Shoreline Sanitary Survey

Date: March 15, 2005

Survey Period: November 9-10, 2004

Total Number of Properties Surveyed: 40

Surveyed By: H.R. Barker and J.D. Dickerson

SECTION A: GENERAL

This survey area extends from Reference Point 73 at the east end of the Lesner Bridge crossing Lynnhaven Inlet to Reference Point 74 at the southern boundary of Fort Story, including all of the southern Chesapeake Bay and Atlantic Ocean shoreline between these two points.

The topography of the survey area is generally low and flat with elevations ranging from 10-15'. Gentle hills and dunes in Seashore State Park and on Fort Story may reach heights of 30-50'. Low swamps, marshes and wetlands are found throughout the park and in sections of the fort. The survey area is predominately commercial and residential north of Shore Drive and east to Seashore State Park and is served by Hampton Roads Sanitation District (HRSD) public sewerage system. Seashore State Park encompasses the one part of the survey area which has on-site sewage disposal systems. Fort Story Military Reservation lies in an area to the north of Shore Drive and east of Seashore State Park and is served by HRSD.

Meteorological data indicated that no precipitation fell during the two day survey period.

Fort Story Military Reservation has been classified as an industrial waste site in this survey because of one VPDES discharge permit issued by the Virginia Department of Environmental Quality. VPDES permit #VA0031917 covers the discharge of process water from reverse osmosis water purification units used on the base as well as the discharge of storm water and wash down runoff from various sites throughout the facility.

All equipment and vehicles on the base are now required to be washed at two central washing facilities. The discharge of storm water and wash down runoff is permitted through three point source outfalls. Reverse osmosis process water is produced by truck mounted water treatment units and is generally permitted to be discharged to the Atlantic Ocean and Chesapeake Bay coastal basins. There are no point source outfalls for this process. Also within Fort Story are several above ground storage tanks at various locations throughout the base. All tanks consist of double walled construction and are surrounded by concrete berms to contain any spills. All sewage on the base is collected through a series of pump stations and drains to the HRSD collection system for final treatment.

Information about industrial waste sources at Fort Story was obtained from Ms. Susan Miller, Environmental Officer for Fort Eustis and Fort Story.

There are currently no restrictions on shellfish harvesting in the survey area.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "DIRECT" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

-None-

ON-SITE SEWAGE DEFICIENCIES

-None-

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

1. Occupant: First Landing State Park, 2500 Shore Drive, Virginia Beach 23451. Owner: Commonwealth of Virginia, Department of Conservation and Recreation, 203 Governor Street, Suite 213, Richmond 23219. State Park. Present during survey was 1 X 750 gallon diesel tank surrounded by metal retaining berm located adjacent to maintenance shop.
2. ***DIRECT*** - Occupant: Fort Story United States Army Transportation Center, Fort Story 23459. Owner: Department of the Army, U.S. Army Transportation Center, Fort Eustis 23604. Military base. Has VPDES permit #VA0031917 issued by the Department of Environmental Quality for the discharge of process water from reverse osmosis water treatment units and the discharge of wash down waste and storm water runoff from the base. Also located on site are 11 X 550 gallon above ground storage tanks containing used oil and heating oil. All tanks consist of double walled construction and are surrounded by concrete berms to contain spills.

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

-None-

OTHER PLACES WHERE BOATS ARE MOORED

-None-

UNDER SURVEILLANCE

-None-

SECTION E: CONTRIBUTES ANIMAL POLLUTION

-None-

SUMMARY

Area #72
Cape Henry
March 15, 2005

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

0 - DIRECT - None
0 - INDIRECT - None
0 - B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES

0 - CONTRIBUTES POLLUTION, DIRECT - None
0 - CONTRIBUTES POLLUTION, INDIRECT - None
0 - CP (Kitchen or Laundry Wastes), Direct - None
0 - CP (Kitchen or Laundry Wastes), Indirect - None
0 - NO FACILITIES, DIRECT - None
0 - NO FACILITIES, INDIRECT - None
0 - B.2. TOTAL

3. POTENTIAL POLLUTION

0 - POTENTIAL POLLUTION - None

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

1 - DIRECT - #2
1 - INDIRECT - #1
2 - C.1. TOTAL

2. SOLID WASTE DUMPSITES

0 - DIRECT - None
0 - INDIRECT - None
0 - C.2. TOTAL

SECTION D: BOATING ACTIVITY

0 - MARINAS - None
0 - OTHER PLACES WHERE BOATS ARE MOORED - None
0 - UNDER SURVEILLANCE - None
0 - D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

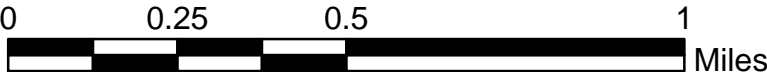
0 - DIRECT - None
0 - INDIRECT - None
0 - E. TOTAL

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72
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Legend

Shoreline Survey Deficiencies

POLLUTION TYPE

- ★ Sewage Treatment Facility - Direct
- ★ Sewage Treatment Facility - Indirect
- Contributes Pollution - Direct
- Contributes Pollution - Indirect
- ▲ Contributes Pollution (Kitchen or Laundry wastes) - Direct
- ▲ Contributes Pollution (Kitchen or Laundry wastes) - Indirect
- No Facilities - Direct
- No Facilities - Indirect
- ◆ Potential Pollution
- Industrial Wastes - Direct
- Industrial Wastes - Indirect
- Solid Waste Dumpsite - Direct
- Solid Waste Dumpsite - Indirect
- ⚓ Boating Activity
- ▲ Contributes Animal Pollution - Direct
- ▲ Contributes Animal Pollution - Indirect

Sewered areas

TYPE

- ▨ Sewered areas

